

ABSTRACT

RC OSCILLATOR CIRCUIT

5 An RC oscillator circuit is described in which a charge
current (IPOSCL) is integrated in an integrator (1). In a
comparator (7), an output voltage (VCAP) of the integrator is
compared to a reference threshold (VTH). Depending on the
comparison, a periodic signal is generated in a clock pulse
10 generator (9). Furthermore, a reference generator (8) is
provided, which generates the reference threshold (VTH)
depending on the temperature and on the supply voltage of the
entire circuit. In this way, the frequency dependence of the
oscillator is largely compensated for as far as fluctuations
15 in the supply voltage are concerned.

Figure 1